



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090605

**Mode:** Highway

**Status:** Submitted

### I-40

**From/Cross Street:** US 311

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** I-40 Business/US 421

**Project Category:** Statewide Mobility

**Length:** 10.13

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$76,380,000

#### Description:

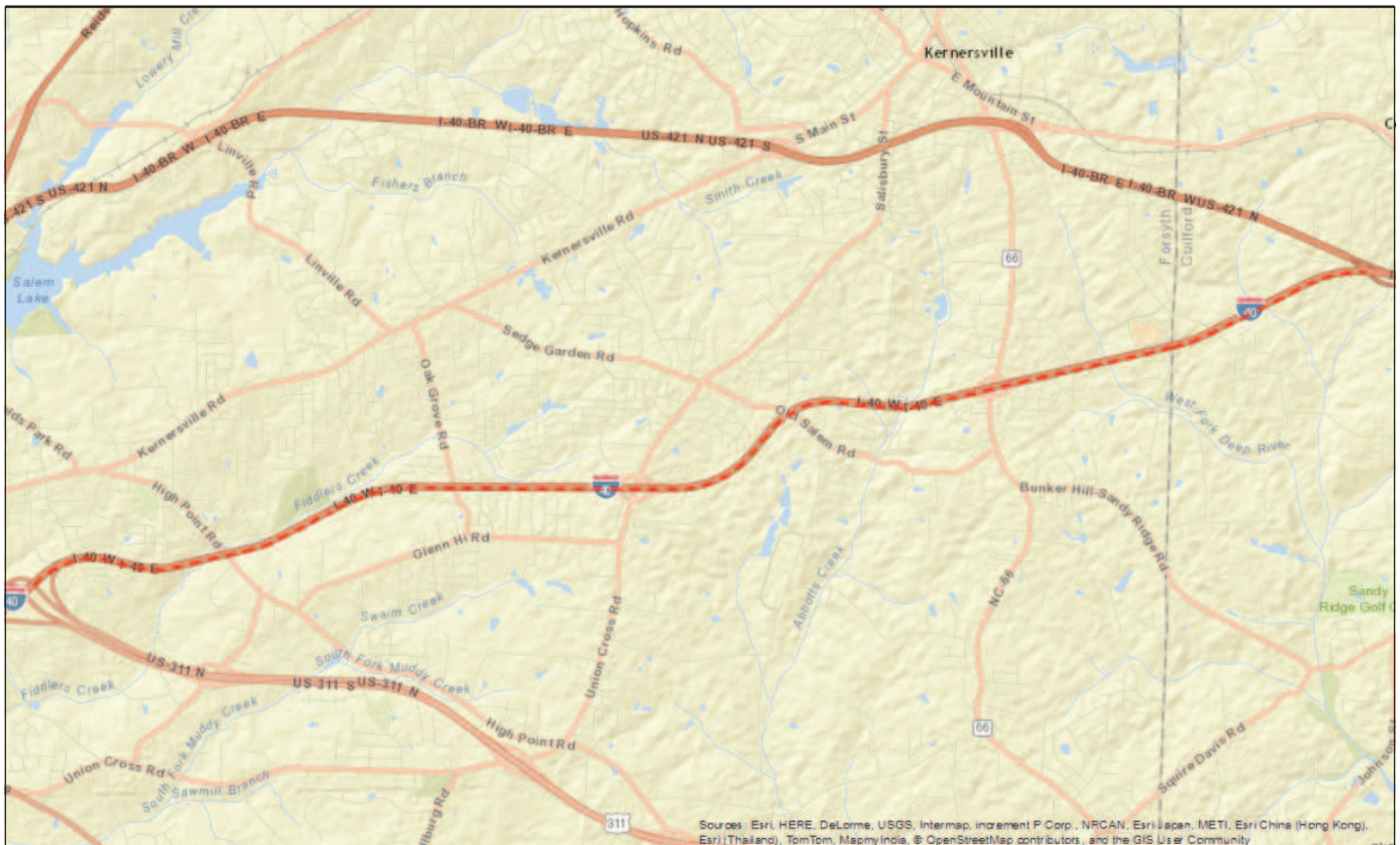
Widen interstate from 4 Lanes to Six Lanes Between US 311 and I-40 Bus./US 421.

**Division(s):** Division 9, Division 7

**County(s):** FORSYTH, GUILFORD

**MPOS(s)/RPO(s):** Winston Salem Urban Area MPO, High Point Urban Area MPO, Greensboro Urban Area MPO

### Project Location



**Statewide Mobility Total Score: 33.81**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
[Travel Time] Benefit/Cost (30%) 3.63 Safety (10%) 49.95 Economic Competitiveness (10%) 25.84 Multimodal + [Freight & Military] (20%) 22.49 Congestion (V/C) (30%) 68.81	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 33.81</b>		

**Regional Impact Total Score: 27.11**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%) 68.81 Accessibility / Connectivity (10%) 20.56 Safety (10%) 49.95 [Travel Time] Benefit/Cost (25%) 3.63	Percent: 15% Points: 0	Percent: 15% Points: 13
<b>Totals: Weight: 70% Weighted Score: 25.16</b>		

**Division Needs Total Score: 19.48**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 68.81 Safety (10%) 49.95 [Travel Time] Benefit/Cost (20%) 3.63	Percent: 25% Points: 0	Percent: 25% Points: 0
<b>Totals: Weight: 50% Weighted Score: 19.48</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	65
Length (miles):	10.13
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	55665.39
Capacity:	71761.91
Volume/Capacity Ratio:	0.78
% Autos:	92%
% Trucks:	8%
Truck Volume:	4497.81
Crash Density:	40.23
Crash Severity:	66.95
Critical Crash Rate:	42.69
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	89
Actual Congested Speed:	63.75
Travel Time Index:	1.01

**Project Benefits**

Project Cross-Section:	6B - 6 Lane Divided (27' Median with Jersey Barrier with Paved Shoulders)
Speed Limit:	65
Length (miles):	10.13
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	12182165.13
Travel Time Savings for 30 Years (Autos):	11197837.08
Travel Time Savings for 30 Years (Trucks):	984328.05
Long-Term Employment:	204
% Change in Economy:	0.00031272
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 7

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 9	85%	0	0
Division 7	15%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Winston Salem Urban Area MPO	85%	0	0
High Point Urban Area MPO	13%	13	0
Greensboro Urban Area MPO	2%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>13</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$76,380,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$76,380,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$76,380,000</b>	